FIRE LOSSES IN BRITISH COLUMBIA IN 1984

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SUMMARY OF FIRE LOSSES IN BRITISH COLUMBIA, 1984

Seventy-nine persons died and 396 were injured as a result of 7237 fires in 1984, causing a total dollar loss of $108,859,185. The losses for the last six years have been as follows:

Year	Number of Fires	$ Loss (millions)	$ Loss (Millions) Adjusted for Inflation to 1981 Constant $	Number Injured	Number Dead
1984	7,237	108.9	89.8	396	79
1983	7,724	131.7	112.9	404	83
1982	7,623	157.3	142.4	375	73
1981	7,021	116.0	116.0	244	76
1980	7,661	108.4	123.9	305	89
1979	7,656	105.9	132.4	444	125

The average loss per fire for the province in 1984 was $15,042 and the per capita loss was $37.92. There is an average of 2.52 fires for every 1,000 persons in British Columbia.

Fire Fatalities

Forty-three men, 21 women and 15 children lost their lives as a result of fire last year. Four of these 79 deaths occurred on Indian reserves.

- 14 of the 15 children that died from fire, were 10 years old or younger.
- 32 fire fatalities resulted from careless smoking.
- at least 14 persons who died were impaired by alcohol, drugs or medication.
- 7 persons were killed as a result of set fires.
- 20 persons who died from fire were asleep at the time of the fire.

Residential Fires

Thirty-three percent of fires were in one and two family dwellings, resulting in a total loss of $41.6 million. A further 7.4 percent of the fires were in apartment buildings with a loss of $6.2 million. These two residential categories accounted for 40.4 percent of the total number of fires and 43.9 percent of the total 1984 fire losses in the province.

Seventy-two of the 79 fire fatalities, or 91%, occurred in residential fires, including hotels and mobile homes. Twenty-seven of the 40 fire deaths in one or two family dwellings, and 13 of the 21 fire deaths in apartment buildings, occurred between 10 p.m. and 7 a.m.

The fire experience in one and two family dwellings and apartment buildings indicates significant differences between the two groups. See chart below. Asterisks highlight differences.

Comparison of One and Two Family Dwellings and Apartment Fire Incidents

	1- and 2- Family	Apartment Building	
Cooking Fires	501	132	
As a percentage of all fires in property group	20.9%	24.4%	
As a percentagae of total $ loss in property group	8.5%	12.4%	
No. of fatalities over total in property group	3/40	0/21	
Heating Equipment Fires	613	19	
As a percentage of all fires in property group	25.5%	3.5%	*
As a percentage of total $ loss in property group	21.9%	1.7%	*
No. of fatalities over total in property group	2/40	0/21	
Smokers Material Fires	205	151	
As a percentage of all fires in property group	8.5%	28.0%	*
As a percentage of total $ loss in property group	7.4%	25.5%	
No. of fatalities over total in property group	14/40	11/21	
Arson Fires	233	104	
As a percentage of all fires in property group	9.7%	19.2%	*
As a percentage of total $ loss in property group	14.9%	27.2%	*
No. of fatalities over total in property group	5/40	1/21	

Heating equipment fires accounted for more than 25% of the fires in one and two family dwellings, but only 3.5% in apartment building fires.

Of all heating equipment fires in one and two family dwellings, more than 68% were related to the use of solid-fuel. The igniting objects (sources of ignition) for these solid-fuel fires were:

Igniting Object	Fires	Injuries	Dead	$ Loss
Central heating unit	6	0	0	84,317
Space heater	97	4	1	1,742,433
Fireplace	126	4	1	710,023
Masonry chimney	99	1	0	1,425,074
Factory-built metal chimney	65	0	0	1,169,119
Flue connector	17	0	0	461,658
Heating equipment - other	10	0	0	40,468
	420	9	2	5,633,092

Smokers materials accounted for about 8.5% of one and two family dwelling fires but 28% for apartment fires. Smokers material accounted for only 35% of the fatalities in one and two family dwellings, but 52% of the fatalities in apartments.

The rate of arson in apartment buildings was twice that in one and two family dwellings.

Educational Institutions

There were 56 fires in educational institutions in 1984 resulting in a loss of $725,375. The number of fires in educational institutions has been reducing since 1979. The losses from these fires have also reduced dramatically since 1979.

Year	Number	$ Loss (million)	$ Loss (millions) Adjusted by C.P.I.
1984	56	0.7	0.6
1983	63	3.9	3.3
1982	77	3.6	3.3
1981	84	1.8	1.8
1980	94	8.3	9.5
1979	125	9.3	11.6

75 percent of the fires in educational institutions were incendiary in nature. This high percentage is consistent with previous years.

Automobile Fires

There were 1,658 automobile fires in British Columbia in 1984. These fires accounted for 23 percent of the number of fires in 1984 causing a loss of about $2.7 million.

Large Loss Fires

There were 49 fires in which the individual losses exceeded $250,000 each. Although they accounted for less than 1.0 percent of the total fires, they were responsible for $28.4 million, constituting 26 percent of the province's annual dollar losses. Twenty-two percent of the fires in this large loss category were 'set' fires causing a loss of $8.0 million.

Arson

1,274 fires out of the total 7,237 (17.6%) fires in 1984 were deliberately set, causing a loss of $22 million (20% of dollar losses). In 1983, 1562, or 20% of total fires were 'set' and caused a loss of $38 million (29% of dollar loss).

The number of arson fires in 1984 is the lowest since 1973 when there were 1092 arson fires.

454 of the 1274 (37%) arson incidents were classified as vandalism or mischief. This category has historically accounted for the bulk of arson incidents. A breakdown of the arson incidents is as follows:

Act or Omission	Incidents	Injured	Dead	$ Loss
Arson for financial gain	24	0	0	952,276
Arson as a cover-up crime	125	1	2	2,662,811
Arson - political, religious motive	1	0	0	5,000
Arson for revenge, spite	28	3	0	245,642
Arson - mental disorder, suicide	24	3	1	276,821
Arson - vandalism, mischief	454	10	0	5,818,462
Arson - intimidation	3	1	0	863,516
Arson - motive unknown	305	10	1	4,697,577
Suspected Arson - motive unknown	310	10	3	6,493,041
	1,274	40	7	22,015,146

The frequency of arson is heaviest in the urban areas: 33% of fires in Vancouver (City) were arson compared to about 10% in the interior and northern regions.

Gordon R. Anderson
Fire Commissioner

FIRE LOSSES IN MUNICIPAL AND NON-MUNICIPAL AREAS, 1984

Loc. Code	Location	Population	Fires	Inj	Dead	$ Loss	Loss/Fire	Per Capita Loss	Fires/1000 Persons
	MUNICIPALITIES								
DAB	Abbotsford	14,101	42	3	0	553,215	13,172	39.23	2.98
VAL	Albert Bay	658	2	0	0	96,642	48,321	146.87	3.04
CAR	Armstrong	2,724	3	0	0	58,000	19,333	21.29	1.10
VAS	Ashcroft	2,121	8	0	0	138,869	17,359	65.47	3.77
VBE	Belcarra	479	0	0	0	0			0.00
DBU	Burnaby	142,652	286	28	6	2,743,391	9,592	19.23	2.00
VBU	Burns Lake	1,791	3	0	0	49,048	16,349	27.39	1.68
VCA	Cache Creek	1,313	4	0	0	254,900	63,725	194.14	3.05
DCA	Campbell River	16,670	42	0	1	1,056,873	25,164	63.40	2.52
CCA	Castlegar	6,954	11	0	0	387,232	35,203	55.68	1.58
DCE	Central Saanich	10,843	6	0	0	53,655	8,943	4.95	0.55
VCH	Chase	1,953	6	0	0	9,306	1,551	4.76	3.07
VCD	Chetwynd	2,893	1	0	0	40,000	40,000	13.83	0.35
DCH	Chilliwack	41,604	127	1	5	1,627,309	12,813	39.11	3.05
VCL	Clinton	783	3	0	0	62,934	20,978	80.38	3.83
DCO	Coldstream	7,177	9	1	1	338,500	37,611	47.16	1.25
TCO	Comox	6,821	26	0	0	365,379	14,053	53.57	3.81
DCQ	Coquitlam	66,736	125	3	1	3,306,337	26,451	49.54	1.87
CCO	Courtenay	9,978	41	3	0	217,994	5,317	21.85	4.11
CCR	Cranbrook	16,747	24	2	0	442,065	18,419	26.40	1.43
TCR	Creston	4,304	24	1	0	69,954	2,915	16.25	5.58
VCU	Cumberland	2,125	5	0	0	126,506	25,301	59.53	2.35
CDA	Dawson Creek	11,265	21	0	1	353,761	16,846	31.40	1.86
DDE	Delta	75,535	122	0	0	1,012,905	8,303	13.41	1.62
CDU	Duncan	4,220	36	1	0	301,369	8,371	71.41	8.53
DEL	Elkford	4,050	7	0	0	230,200	32,886	56.84	1.73
CEN	Enderby	1,866	3	0	0	17,806	5,935	9.54	1.61
DES	Esquimalt	16,280	21	4	0	205,951	9,807	12.65	1.29
CFE	Fernie	5,559	12	0	0	185,050	15,421	33.29	2.16
VFO	Fort Nelson	3,608	18	1	0	74,553	4,142	20.66	4.99
VSJ	Fort St. James	2,297	3	1	0	102,475	34,158	44.61	1.31
CJO	Fort St. John	13,818	33	1	1	449,899	13,633	32.56	2.39
VFL	Fraser Lake	1,508	5	2	0	35,200	7,040	23.34	3.32
VFR	Fruitvale	2,025	1	0	0	51,750	51,750	25.56	0.49
VGI	Gibsons	2,699	11	1	2	260,467	23,679	96.51	4.08
VGO	Gold River	1,239	5	0	0	47,705	9,541	21.31	2.29
TGO	Golden	3,517	8	0	0	144,566	18,071	41.10	2.27
CGF	Grand Forks	3,336	14	1	0	147,642	10,546	44.26	4.20
VGI	Granisle	1,125	0	0	0	0			0.00
CGR	Greenwood	932	1	0	0	4,400	4,400	4.72	1.07
VHH	Harrison Hot Springs	630	5	0	0	50,300	10,060	79.84	7.94
VHA	Hazelton	399	0	0	0	0			0.00
THO	Hope	3,240	1	0	0	500	500	0.15	0.31
DHO	Houston	4,042	16	0	0	329,871	20,617	81.61	3.96
DHH	Hudson Hope	1,170	0	0	0	0			0.00
VIN	Invermere	2,109	1	0	0	32,729	32,729	15.52	0.47
CKA	Kamloops	64,601	225	21	4	2,703,960	12,018	41.86	3.48
VKA	Kaslo	965	5	0	0	10,900	2,180	11.30	5.18
CKE	Kelowna	61,847	102	1	1	1,916,784	18,792	30.99	1.65
DKE	Kent	3,649	3	0	0	87,197	29,066	23.90	0.82
VKE	Keremeos	861	7	0	0	140,095	20,014	162.71	8.13
CKI	Kimberley	7,360	7	2	0	482,005	68,858	65.49	0.95
DKI	Kitimat	12,943	27	3	0	160,488	5,944	12.40	2.09
TLA	Ladysmith	4,584	18	0	0	105,846	5,880	23.09	3.93
VLC	Lake Cowichan	2,512	16	0	1	191,762	11,985	76.34	6.37
DLA	Langley District	49,271	107	8	1	1,301,356	12,162	26.41	2.17
CLA	Langley City	16,098	55	3	1	394,746	7,177	24.52	3.42
VLI	Lillooet	1,780	5	0	0	68,191	13,638	38.31	2.81
VLB	Lions Bay	1,119	8	0	0	20,473	2,559	18.30	7.15
VLL	Logan Lake	2,819	8	0	0	106,762	13,345	37.87	2.84
VLU	Lumby	1,363	4	0	0	1,391,847	347,962	1,021.16	2.93
VLY	Lytton	411	1	0	0	65,000	65,000	158.15	2.43
DMA	Mackenzie	5,837	24	0	0	111,523	4,647	19.11	4.11
DMR	Maple Ridge	33,153	77	4	1	1,742,364	22,628	52.56	2.32
VMA	Masset	1,498	1	0	0	30,000	30,000	20.03	0.67
DMT	Matsqui	48,532	105	8	0	1,192,939	11,361	24.58	2.16
VMB	McBride	673	4	0	0	276,666	69,167	411.09	5.94
CME	Merritt	6,006	22	0	0	538,197	24,464	89.61	3.66
VMI	Midway	710	0	0	0	0			0.00
DMI	Mission	21,140	68	1	0	1,104,466	16,242	52.25	3.22

FIRE LOSSES IN MUNICIPAL AND NON-MUNICIPAL AREAS, 1984

Loc. Code	Location	Population	Fires	Inj	Dead	$ Loss	Loss/Fire	Per Capita Loss	Fires/1000 Persons
VMO	Montrose	1,279	3	0	0	37,500	12,500	29.32	2.35
VNA	Nakusp	1,458	0	0	0	0			0.00
CNA	Nanaimo	50,317	128	8	1	1,220,261	9,533	24.25	2.54
CNE	Nelson	9,332	30	2	0	185,015	6,167	19.83	3.21
VND	New Denver	655	1	0	0	600	600	0.92	1.53
VNH	New Hazelton	754	3	0	0	134,500	44,833	178.38	3.98
CNW	New Westminster	38,794	124	1	1	868,069	7,001	22.38	3.20
DNC	North Cowichan	19,079	43	0	0	675,968	15,720	35.43	2.25
DNS	North Saanich	6,558	16	0	0	46,594	2,912	7.10	2.44
CNO	North Vancouver City	34,588	86	3	1	1,011,796	11,765	29.25	2.49
DNV	North Vancouver District	65,629	145	7	2	1,748,077	12,056	26.64	2.21
DOB	Oak Bay	16,731	21	0	0	16,585	790	0.99	1.26
VOL	Oliver	1,971	1	0	0	3,473	3,473	1.76	0.51
VOM	One Hundred Mile House	1,935	6	0	0	38,216	6,369	19.75	3.10
VOS	Osoyoos	2,947	1	0	0	65,000	65,000	22.06	0.34
CPA	Parksville	5,761	18	0	0	73,120	4,062	12.69	3.12
DPE	Peachland	3,070	6	0	0	68,374	11,396	22.27	1.95
VPE	Peaberton	342	5	1	0	369,000	73,800	1,078.95	14.62
CPE	Penticton	24,479	54	1	0	558,277	10,338	22.81	2.21
DPI	Pitt Meadows	7,969	14	2	0	54,576	3,898	6.85	1.76
CPA	Port Alberni	19,351	69	1	0	441,426	6,397	22.81	3.57
VPO	Port Alice	1,576	3	0	0	66,538	22,179	42.22	1.90
VPL	Port Clements	453	1	0	0	50,000	50,000	110.38	2.21
CPC	Port Coquitlam	28,455	69	3	1	601,197	8,713	21.13	2.42
VPD	Port Edward	774	5	0	0	82,500	16,500	106.59	6.46
DPH	Port Hardy	5,845	5	0	0	40,974	8,195	7.01	0.86
VPM	Port McNeil	2,671	4	0	0	38,968	9,742	14.59	1.50
CPO	Port Moody	15,333	18	0	1	243,708	13,539	15.89	1.17
VPC	Pouce Coupe	812	1	0	0	7,000	7,000	8.62	1.23
DPR	Powell River	13,310	39	3	0	408,885	10,484	30.72	2.93
CPG	Prince George	69,293	214	4	2	1,967,558	9,194	28.39	3.09
CPR	Prince Rupert	16,972	11	0	0	66,857	6,078	3.94	0.65
VPR	Princeton	2,970	4	0	0	7,850	1,963	2.64	1.35
VQB	Qualicum Beach	3,312	4	0	0	6,786	1,697	2.05	1.21
CQU	Quesnel	8,735	23	0	0	1,166,012	50,696	133.49	2.63
DRI	Richmond	102,573	168	5	2	5,767,493	34,330	56.23	1.64
CRO	Rossland	4,139	5	0	0	3,633	727	0.88	1.21
DSA	Saanich	80,336	129	8	3	1,449,808	11,239	18.05	1.61
VSA	Salmo	1,114	0	0	0	0			0.00
DSM	Salmon Arm	11,490	48	3	1	282,161	5,878	24.56	4.18
VSD	Savward	529	7	0	0	136,700	19,529	258.41	13.23
VSE	Sechelt	1,262	7	0	1	126,239	18,034	100.03	5.55
DSI	Sidney	8,844	10	0	0	56,033	5,603	6.34	1.13
VSL	Silverton	268	0	0	0	0			0.00
VSU	Slocan	351	0	0	0	0			0.00
DSM	Smithers	5,066	14	0	0	102,026	7,288	20.14	2.76
DSP	Spallumcheen	4,618	2	0	0	81,500	40,750	17.65	0.43
DSD	Sparwood	4,922	9	1	0	122,200	13,578	24.83	1.83
DSQ	Squamish	10,474	41	3	1	838,359	20,448	80.04	3.91
DST	Stewart	1,567	4	0	0	96,052	24,013	61.30	2.55
DSL	Summerland	7,775	14	0	0	23,946	1,710	3.08	1.80
DSY	Surrey	168,801	366	10	2	3,719,545	10,163	22.04	2.17
VTA	Tahsis	1,732	2	0	0	4,028	2,014	2.33	1.15
VTR	Taylor	868	6	1	0	43,935	7,323	50.62	6.91
VTE	Telkwa	858	2	0	0	112,200	56,100	130.77	2.33
DTE	Terrace	10,949	26	1	0	246,322	9,474	22.50	2.37
VTO	Tofino	1,084	1	0	0	1,423	1,423	1.31	0.92
CTR	Trail	8,999	15	0	1	234,379	15,625	26.05	1.67
DTU	Tumbler Ridge	4,800	9	0	0	112,700	12,522	23.48	1.88
VUC	Ucluelet	1,572	7	0	0	68,768	9,824	43.75	4.45
VVA	Valemount	1,265	2	0	0	27,603	13,802	21.82	1.58
CVA	Vancouver	420,119	1412	139	9	11,161,883	7,905	26.57	3.36
VVF	Vanderhoof	3,857	10	0	0	269,162	26,916	69.79	2.59
CVE	Vernon	20,991	46	0	1	138,278	3,006	6.59	2.19
CVI	Victoria	66,128	171	5	3	896,264	5,241	13.55	2.59
VWA	Warfield	1,939	0	0	0	0			0.00
DWV	West Vancouver	35,522	70	3	0	1,630,964	23,299	45.91	1.97
DWH	Whistler	2,289	11	0	0	247,064	22,460	107.94	4.81
CWR	White Rock	13,771	17	0	0	37,618	2,213	2.73	1.23
CWI	Williams Lake	10,553	36	3	0	1,717,270	47,702	162.73	3.41
VZE	Zeballos	275	6	0	0	58,644	9,774	213.25	21.82

FIRE LOSSES IN MUNICIPAL AND NON-MUNICIPAL AREAS, 1984

Loc. Code	Location	Population	Fires	Inj	Dead	$ Loss	Loss/Fire	Per Capita Loss	Fires/1000 Persons
	NON-MUNICIPAL AREAS BY REGIONAL DISTRICTS								
RAC	Alberni-Clayoquot	10,086	29	0	0	648,333	22,356	64.28	2.88
RBN	Bulkley-Nechako	19,589	50	2	0	1,433,980	28,680	73.20	2.55
RCA	Capital	53,913	103	4	4	2,301,053	22,340	42.68	1.91
RCB	Cariboo	41,371	112	1	1	2,937,787	26,230	71.01	2.71
RCC	Central Coast	3,309	18	1	1	472,787	26,266	142.88	5.44
RCO	Central Okanagan	24,586	2	0	0	1,488	744	0.06	0.08
RCF	Central Fraser Valley	523	73	1	0	1,332,201	18,249	2,547.23	139.58
RCK	Central Kootenay	28,160	71	28	1	2,329,502	32,810	82.72	2.52
RCL	Columbia-Shuswap	19,204	34	0	0	1,235,547	36,340	64.34	1.77
RCS	Comox-Strathcona	32,860	76	0	2	1,197,515	15,757	36.44	2.31
RCV	Cowichan Valley	24,419	50	1	1	1,137,515	22,750	46.58	2.05
RDA	Dewdney-Alouette	3,721	6	0	0	78,629	13,105	21.13	1.61
REK	East Kootenay	16,926	46	0	0	3,090,092	67,176	182.56	2.72
RFC	Fraser-Cheam	9,588	38	2	0	574,224	15,111	59.89	3.96
RFG	Fraser-Fort George	14,085	61	0	1	1,884,365	30,891	133.79	4.33
RGV	Greater Vancouver	9,365	49	1	0	270,039	5,511	28.83	5.23
RKI	Kitimat-Stikine	16,559	38	9	2	1,120,686	29,492	67.68	2.29
RKO	Kootenay-Boundary	9,972	16	2	0	2,755,558	172,222	276.33	1.60
RMW	Mount Waddington	4,844	23	0	0	522,200	22,704	107.80	4.75
RNA	Nanaimo	23,277	46	0	2	864,378	18,791	37.13	1.98
RNO	North Okanagan	18,575	49	1	0	1,540,180	31,432	82.92	2.64
ROS	Okanagan-Similkameen	19,473	37	0	1	525,605	14,206	26.99	1.90
RPL	Peace River-Liard	19,489	85	1	0	3,153,255	37,097	161.80	4.36
RPR	Power River	5,872	22	3	1	659,928	29,997	112.39	3.75
RSC	Skeena-Queen Charlotte	4,946	17	0	0	631,108	37,124	127.60	3.44
RSL	Squamish-Lillooet	5,475	27	0	1	662,682	24,544	121.04	4.93
RST	Stikine	1,953	6	0	0	155,767	25,961	79.76	3.07
RSU	Sunshine Coast	12,458	22	1	0	558,235	25,374	44.81	1.77
RTN	Thompson-Nicola	23,347	124	15	1	2,263,756	18,256	96.96	5.31
	PROVINCE OF BRITISH COLUMBIA	2,870,694	7,237	396	79	108,859,185	15,042	37.92	2.52

FIRE LOSSES AND CASUALTIES BY MONTH, 1984

MONTH	FIRES	$ LOSS	INJURED	DEAD
January	643	$9,034,701	33	12
February	537	$8,228,770	38	6
March	592	$8,762,556	15	2
April	565	$7,524,201	22	1
May	605	$6,805,058	24	7
June	526	$6,478,927	48	2
July	674	$9,931,682	43	2
August	630	$8,496,366	44	4
September	628	$8,520,704	24	10
October	638	$11,797,976	38	8
November	598	$12,999,068	38	15
December	601	$10,279,176	29	10
1984 Total	7237	$108,859,185	396	79

STATUS, AGE AND SEX OF CASUALITIES, 1984

	FIRES	INJURED	DEAD
STATUS OF CASUALTY			
Firefighter	73	95	0
Civilian	281	301	79
AGE OF CASUALTY			
Age Unknown	32	39	0
Birth - 2 years	8	3	6
3 - 4 years	2	0	2
5 - 6 years	3	1	2
7 - 8 years	4	1	3
9 - 10 years	2	2	1
11 - 12 years	1	1	0
13 - 14 years	9	9	0
15 - 16 years	3	3	0
17 - 18 years	9	9	1
19 - 20 years	15	15	3
21 - 30 years	101	96	14
31 - 40 years	98	102	13
41 - 50 years	53	54	6
51 - 60 years	39	32	10
61 - 70 years	20	16	8
71 - 80 years	15	8	7
81 - 90 years	6	4	2
Over 90 years	2	1	1
SEX OF CASUALTY			
Male	267	310	49
Female	100	86	30

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
A0	ACT OR OMISSION				
A0000	Act or omission unknown	1,172	36	20	31,086,325
	Incendiary or Set Fires				
A0011	Arson or set fire - financial gain	24	0	0	952,276
A0012	Arson or set fire - cover-up crime	125	1	2	2,662,811
A0013	Arson or set fire - political, religious, riot, civil commotion	1	0	0	5,000
A0014	Arson or set fire - revenge , spite	28	3	0	245,642
A0015	Arson or set fire - mental disorder, attempted suicide, suicide	24	3	1	276,821
A0016	Arson or set fire - vandalism, mischief	454	10	0	5,818,462
A0017	Arson or set fire - intimidation	3	1	0	863,516
A0018	Arson or set fire - motive unknown or unclassified	305	12	1	4,697,577
A0019	Suspected set fire - motive unknown or unclassified	310	10	3	6,493,041
	Misuse of Source of Ignition				
A0021	Smokers' material	573	67	24	6,147,107
A0022	Thawing	13	0	0	286,481
A0023	Inadequate control of "open" fire	66	1	0	757,465
A0024	Child playing with	137	7	5	1,609,037
A0025	Welding or cutting too close	54	5	0	4,899,212
A0026	Torch too close	51	1	0	1,750,496
A0029	Misuse of source of ignition - unclassified	60	7	1	824,960
	Misuse of Material Ignited				
A0031	Fuel spilled accidentally	45	4	0	785,770
A0032	Improper fuelling technique	21	2	0	101,438
A0033	Flammable liquid to kindle fire	4	2	1	36,383
A0034	Cleaning, washing parts	6	3	0	110,740
A0035	Improper container, metal	2	0	0	181,200
A0036	Improper container, plastic	9	1	0	29,818
A0037	Combustible placed too close to heat	124	4	1	1,915,274
A0038	Improper storage	34	0	0	1,041,347
A0039	Misuse of material ignited - unclassified	34	4	0	837,412
	Mechanical or Electrical Failure				
A0041	Part failure, leak, break	751	37	0	3,239,939
A0042	Automatic control failure	60	5	0	542,142
A0043	Manual control failure	2	0	0	3,880
A0044	Electrical short circuit	690	24	1	9,703,473
A0046	Part worn out	32	0	1	151,244
A0049	Mechanical or electrical failure unclassified	325	12	4	3,003,319
	Construction, Design or Installation Deficiency				
A0051	Design deficiency	29	0	0	386,278
A0052	Construction deficiency	82	2	0	1,017,557
A0053	Installed too close to combustible	127	3	0	1,402,594
A0054	Other installation deficiency	31	1	0	307,230
A0055	Overfusing	6	0	0	102,850
A0056	Suspected faulty connections involving aluminum wiring	7	0	0	52,917
A0057	Suspected faulty connections involving copper wiring	13	0	0	206,872
A0059	Construction design or installation deficiency - unclassified	27	1	0	286,264

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	Misuse of Equipment				
A0061	Overfuelling	26	0	0	125,939
A0069	Misuse of equipment - unclassified	48	7	0	541,907
	Human Failing				
A0071	Asleep	42	5	1	276,393
A0072	Temporary loss of judgement suspected (includes panic)	14	3	0	121,751
A0073	Physical or mental disability	9	2	0	45,565
A0074	Accident	207	19	2	2,340,906
A0075	Suspected impairment by use of alcohol, drugs or medication	25	9	7	351,685
A0076	Asleep - suspected use of alcohol, drugs or medication	34	8	2	310,386
A0077	Ignorance of hazard	361	29	0	4,439,417
A0078	Distracted, preoccupied	241	19	0	1,145,778
A0079	Human failing - unclassified	128	18	2	1,034,512
	Vehicle Accident				
A0081	Automobile accident	31	1	0	134,250
A0082	Industrial truck accident	3	0	0	6,300
A0083	Other road vehicle accident	5	0	0	64,100
A0084	Rail vehicle accident	5	2	0	24,050
A0085	Watercraft accident	1	0	0	260,000
A0089	Vehicle accident - unclassified	12	0	0	39,206
	Miscellaneous Act or Omission				
A0091	Chimney fire (masonry) [New code]	24	0	0	64,571
A0092	Chimney fire (factory-built) [New code]	5	0	0	21,387
A0099	Miscellaneous act or omission unclassified	155	5	0	2,688,912
	TOTALS	7,237	396	79	108,859,185
BH	BUILDING HEIGHT				
BH000	Building height unknown	252	2	1	1,991,811
BH001	01 storey or 3m	2,154	107	34	45,576,458
BH002	02 stories or 6m	1,343	117	21	34,675,882
BH003	03 to 04 stories or 9m to 12m	492	91	18	13,439,839
BH004	05 to 06 stories or 15m to 18m	50	3	0	705,460
BH005	07 to 12 stories or 21m to 36m	56	8	0	491,521
BH006	13 to 24 stories or 40m to 73m	31	6	0	150,792
BH007	25 to 49 stories or 75m to 149m	7	0	0	17,357
BH008	50 stories, 152m or more	6	0	0	69,508
BH009	Not applicable eg vehicle outside area, etc.	2,846	62	5	11,740,557
	TOTALS	7,237	396	79	108,859,185
FH	FORM OF HEAT				
FH000	Form of heat unknown	2,001	74	31	40,779,580
FH001	Spark: ember	272	10	0	8,662,906
FH002	Spark: electrical	1,084	43	2	12,001,771
FH003	Spark: static electrical	45	5	0	353,929
FH004	Direct flame, flue gases	1,659	96	8	23,566,530
FH005	Friction heat	51	0	0	116,705
FH006	Hot object, direct heat by conduction or radiation	1,351	76	5	12,603,306
FH007	Spontaneous ignition	92	3	0	2,638,776
FH008	Heat from smoker's material	579	84	33	5,926,846
FH009	Form of heat - unclassified	103	2	0	2,188,836
	TOTALS	7,237	396	79	108,859,185

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
FS	FIRE SERVICE				
FS000	Fire service unknown	762	6	1	4,720,571
FS001	Full time fire department	2,973	215	32	31,593,653
FS002	Volunteer fire department	908	39	17	22,709,650
FS003	Combined full time and volunt fire department	2,141	99	24	36,100,207
FS004	Police acting as full time firefighers	22	4	0	200,373
FS005	Combined police and fire department	6	0	0	20,038
FS006	Combined police and volunteer firefighters	10	0	0	230,916
FS007	Fire service - contract to others	15	0	0	339,106
FS008	No fire service	375	33	5	12,540,195
FS009	Fire service - unclassified	25	0	0	404,474
	TOTALS	7,237	396	79	108,859,185
FU	FUEL OR ENERGY (Relating to Igniting Object)				
FU000	Fuel or energy unknown	1,445	51	26	34,957,267
FU001	Coal, wood	1,174	20	7	15,924,461
FU002	Fuel oil	112	1	0	2,549,152
FU003	Gasoline	1,024	30	6	4,469,501
FU004	Natural gas or other fuel gas	372	59	1	8,993,958
FU005	Cigarette, cigar, pipe, match, lighter	847	101	31	13,228,596
FU006	Electricity	1,675	104	8	19,765,341
FU007	Lightning	8	0	0	32,411
FU008	Exposure fire	218	3	0	3,046,891
FU009	Fuel or energy - unclassified	362	27	0	5,891,607
	TOTALS	7,237	396	79	108,859,185
ID	INITIAL DETECTION				
ID000	Initial detection unknown	817	7	3	5,142,587
ID001	Smoke alarm device	165	14	1	2,060,225
ID002	Smoke detector device	86	10	1	920,075
ID003	Heat alarm device	14	7	1	1,380,492
ID004	Heat detector device	36	0	0	2,530,888
ID005	Automatic sprinkler system	38	3	0	128,466
ID006	Automatic system - other than sprinkler	9	0	0	21,758
ID007	Visual sighting	5,942	348	72	94,548,891
ID008	None	45	3	1	555,554
ID009	Initial detection - unclassified	85	4	0	1,570,249
	TOTALS	7,237	396	79	108,859,185
IG	IGNITING OBJECT (Source of Ignition)				
IG000	Igniting object unknown	1,349	71	29	34,611,074
IG001	No igniting object	117	3	0	1,877,361
	Cooking Equipment				
IG002	Stove, range: top burner area - fire in pan	330	37	0	1,663,223
IG003	Stove, range: top burner area - fire in deep fat fryer or pot	160	20	0	1,472,370
IG004	Stove, range: top burner area - other circumstances	79	8	3	874,889
IG005	Oven of stove, range	42	1	0	264,795
IG006	Chafing dish, fondue	5	1	0	7,260
IG007	Deep fat fryer - separate appliance	18	2	0	125,306
IG011	Fry pans, grills not on stove	10	0	0	34,338
IG012	Other cooking unit	26	6	0	320,410
IG013	Open fired broiler - fixed type	4	1	0	8,226
IG014	Open fired broiler - portable type	24	4	0	96,569
IG015	Food warming appliance	23	0	0	161,764
IG016	Toaster, waffle iron	12	0	0	91,912
IG019	Cooking equipment - unclassified	22	0	0	511,308

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	Heating Equipment				
IG021	Central heating unit	104	5	0	2,131,811
IG022	Service water heater	35	2	0	460,002
IG023	Space heater - stationary	182	6	0	3,379,090
IG024	Space heater - portable	72	2	2	1,311,780
IG025	Fireplace	146	5	1	780,624
IG026	Chimney, masonry	120	1	0	1,590,307
IG027	Flue pipe, vent connector	29	0	0	579,648
IG028	Chimney, factory-built, metal	87	0	1	1,688,022
IG029	Heating equipment - unclassified	40	0	0	572,791
	Appliances				
IG031	Television	22	2	0	690,507
IG032	Radio, phonograph, tape-recorder	10	2	0	1,151,343
IG033	Clothes dryer	56	1	0	289,088
IG034	Washing machine	5	0	0	10,064
IG035	Air conditioning and refrigeration: central	3	0	0	13,693
IG036	Air conditioning or dehumidifier: individual	1	0	0	425
IG037	Refrigeration unit: individual	17	2	0	180,460
IG038	Pressing iron, ironing machine	3	0	0	38,374
IG039	Portable generator	1	0	0	5,377
IG041	Lawnmower	5	0	0	14,847
IG043	Electric blanket, heating pad	17	1	0	117,021
IG044	Incinerator	8	0	0	11,050
IG049	Appliance - unclassified	49	5	0	712,676
	Electrical Distribution Equipment				
IG051	Electrical wiring, cable: permanent	451	15	0	5,229,841
IG052	Transformer	7	0	0	136,926
IG053	Switch gear	2	0	0	74,651
IG054	Panelboard, switchboard	34	5	1	820,652
IG055	Switch, outlet	25	1	0	786,572
IG056	Electric, wiring, cable: temporary	102	9	2	1,414,683
IG057	Signal, telephone equipment	1	0	0	1,108
IG058	Battery, rectifier, charger	178	1	1	716,538
IG059	Electrical distribution equipment - unclassified	50	0	0	1,335,706
	Other Electrical Equipment				
IG061	Electric motor:1 h.p. and over	35	1	0	112,305
IG062	Electric motor: under 1 h.p.	22	2	0	439,746
IG064	Electronic equipment: data processing	1	0	0	1,500
IG065	Incandescent lamp	55	1	1	674,144
IG066	Fluorescent lamp	7	1	0	135,600
IG069	Other electrical equipment - unclassified	39	4	0	585,676
	Smokers' Material and Open Flame				
IG071	Smoker's material: cigarette, cigar, pipe, matches, lighter	677	84	32	6,636,500
IG072	Match, lighter: not used in conjunction with smoking	714	42	4	11,460,629
IG073	Lamp	18	0	0	441,932
IG074	Candle, taper	43	6	0	461,050
IG075	Cutting torch	25	2	0	1,506,779
IG076	Welding equipment	40	4	0	3,780,653
IG077	Torch: other than cutting, welding	74	1	0	2,329,016
IG078	Hot ashes, embers	99	0	0	1,129,508
IG079	Smoker's material of "open" flame - unclassified	58	1	0	628,582
	Exposure				
IG081	Structure: attached	16	0	0	364,509

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
IG082	Structure: detached	77	0	0	644,135
IG083	Lumber yard	2	0	0	1,300,450
IG084	Outside storage container, tank	2	0	0	158,465
IG085	"Open" fire	47	1	0	721,835
IG086	Forest, tree	3	0	0	7,850
IG087	Grass, bush	24	0	0	91,165
IG089	Exposure - unclassified	64	3	0	524,626
	Miscellaneous				
IG090	Internal combustion engine	776	15	2	2,302,608
IG091	Heat treatment equipment	10	0	0	365,756
IG092	Industrial oven	5	0	0	4,230
IG093	Printing equipment, photographic equipment	1	0	0	500
IG094	Explosive	1	0	0	724
IG095	Fireworks	20	0	0	145,022
IG096	Bearing, belting, conveyor, brake	11	0	0	34,850
IG097	Machinery, equipment: commercial and industrial	15	0	0	155,174
IG098	Chemical reaction	56	3	0	2,031,315
IG099	Igniting object - unclassified	117	6	0	1,315,869
	TOTALS	7,237	396	79	108,859,185
LV	LEVEL ORIGIN				
LV000	Level of origin unknown	328	2	2	5,395,317
LV001	Basement, sub-basement	499	58	5	12,080,710
LV002	Crawl space, under structure	98	3	0	2,711,794
LV003	Ground floor, grade level	2,639	169	48	61,988,859
LV004	2nd storey	505	75	13	8,416,554
LV005	3rd storey	93	17	2	2,344,250
LV006	4th to 12th story, inclusive	70	10	3	742,195
LV007	Over 12 storeys	5	0	0	2,400
LV008	Roof level, includes concealed roof space, attic	207	0	0	3,361,274
LV009	Level of origin - not applicable	2,793	62	6	11,815,832
	TOTALS	7,237	396	79	108,859,185
MI	MATERIAL FIRST IGNITED				
MI000	Material first ignited: unknown	1,376	46	28	36,186,661
	Structural Materials, Finish Materials				
MI001	Roof covering: wood	79	0	0	1,068,939
MI002	Roof covering: other than wood	29	0	1	391,034
MI003	Exterior wall covering,surface,finish	141	2	0	2,558,914
MI004	Exterior trim & appurtenance	44	1	0	569,708
MI005	Floor covering: wood	64	3	0	1,323,029
MI006	Floor covering: linoleum, tile, plastic	30	1	1	415,103
MI007	Floor covering: carpet, rug	121	4	0	1,248,569
MI008	Structural component: floor, ceiling, roof	105	9	1	2,619,368
MI009	Structural component: wall	96	8	1	2,843,994
MI010	Interior wall covering: wood, fibreboard (high density)	192	10	0	3,658,737
MI011	Interior wall covering: fibreboard (low density)	41	2	1	1,249,676
MI012	Interior wall covering: plastic	11	1	0	299,567
MI013	Ceiling covering: wood, fibreboard (high density)	20	0	0	464,679
MI014	Ceiling covering: fibreboard (low density)	10	3	1	201,104
MI015	Ceiling covering: plastic	3	0	0	3,902
MI016	Insulation: wood product	24	1	0	879,044
MI017	Insulation: plastic	52	4	1	399,572

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
MI018	Insulation: mineral	20	2	0	273,161
MI019	Structural components, finish materials - unclassified	36	0	0	452,326
	Furniture, Furnishings				
MI021	Furniture (upholstered)	315	47	21	5,605,376
MI022	Furniture: wood (not upholstered)	57	3	0	1,099,097
MI023	Furniture: plastic (not upholstered)	5	0	0	3,192
MI024	Ironing board	2	0	0	25,084
MI025	Mattress, pillow	143	12	3	802,854
MI026	Bedding	201	40	6	1,626,031
MI027	Drapery	47	3	0	775,413
MI028	Broom, mop, brush	2	0	0	6,050
MI029	Furniture, furnishings - unclassified	13	1	1	301,281
	Clothing, Textiles				
MI031	Clothing: cotton, on a person	46	2	0	466,519
MI032	Clothing: wool, on a person	2	0	1	215
MI033	Clothing: synthetic fibre,on a person	59	3	1	588,908
MI034	Fabric: cotton	25	4	0	272,771
MI035	Fabric: wool	5	0	0	8,450
MI036	Fabric: synthetic fibre	27	1	0	268,070
MI037	Fur	1	0	0	2,000
MI038	Tarpaulin	20	0	0	89,545
MI039	Clothing, textiles - unclassified	37	0	0	476,272
	Wood, Paper Products				
MI041	Wood	99	0	0	1,765,324
MI042	Wood shavings	76	3	0	2,423,878
MI044	Paper, packing material	76	0	0	1,381,649
MI045	Paper decoration	11	0	0	48,841
MI046	Wastepaper	108	9	3	1,143,849
MI047	Cardboard	71	3	0	4,015,720
MI048	Paper stock	111	8	0	1,604,529
MI049	Wood, paper products - unclassified	69	4	0	738,277
	Flammable, Combustible Liquids				
MI051	Gasoline	884	27	1	3,694,091
MI052	Fuel oil	53	0	0	987,438
MI053	Combustible liquid: flashpoint 100F and over	58	1	0	910,184
MI054	Flammable liquid: flashpoint less than 100F	35	6	0	2,198,165
MI055	Paint, varnish	22	0	0	246,175
MI056	Cooking oil, fat	419	54	0	2,677,293
MI057	Tar, asphalt	8	1	0	84,418
MI058	Polish, wax	13	2	0	55,864
MI059	Flammable liquids - unclassified	90	1	0	1,250,303
	Flammable Gases				
MI061	Natural gas	13	0	1	261,866
MI062	Propane/butane air mixture	19	23	0	168,428
MI063	Propane, butane, L.P.G.	34	9	0	625,953
MI064	Anaesthetic gas	1	0	0	1,030
MI065	Acetylene	7	0	0	963,322
MI066	Hydrogen	1	0	0	40,000
MI069	Flammable gases - unclassified	20	0	0	139,326
	Chemicals, Plastics, Metals				
MI072	Cellulose nitrate	9	1	0	870,276
MI073	Plastics	131	3	0	818,297
MI074	Oxidizing material	2	0	0	7,020
MI077	Rubber, natural or synthetic	55	1	0	117,307
MI079	Chemicals - unclassified	27	1	0	401,596

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	Agricultural, Forestry Products				
MI081	Fibres	9	0	0	70,924
MI082	Grain, flour, starch	9	0	0	83,848
MI083	Hay, straw	44	0	0	515,491
MI084	Tree, shrub	47	0	0	68,187
MI085	Felled timber	1	0	0	2,000
MI086	Grass, brush, leaves	29	0	0	205,111
MI088	Christmas tree	2	0	0	4,175
MI089	Agricultural, forestry products - unclassified	7	0	0	240,192
	Miscellaneous				
MI091	Coal, coke	1	0	0	2,000
MI092	Creosote deposits in chimney,flue [New code]	57	1	0	243,696
MI095	Insulation: electric	486	15	0	3,733,573
MI096	Garbage, trash, rubbish	321	4	4	1,391,781
MI097	Oily rags	20	0	0	450,131
MI098	Artificial tree	1	0	0	800
MI099	Miscellaneous material - unclassified	180	6	2	2,682,442
	TOTALS	7,237	396	79	108,859,185
OA	AREA OF ORIGIN				
OA000	Area of origin unknown	354	9	2	9,129,600
	Means of Egress				
OA001	Hallway, corridor	86	9	1	1,475,646
OA002	Stairway, exterior	21	1	1	420,381
OA003	Stairway, interior	37	2	0	1,420,081
OA005	Lobby, entrance way	52	4	1	737,843
OA006	Elevator	8	0	0	23,950
OA009	Means of egress - unclassified	24	0	0	466,224
	Assembly, Family, Sales Area				
OA011	Large assembly area: fixed seats	6	0	0	58,588
OA012	Large assembly area: non-fixed seats	4	0	0	443,400
OA013	Small assembly area	10	1	0	134,762
OA014	Lounge, living room	615	66	32	12,663,318
OA015	Sales, show room area	14	0	0	2,062,573
OA016	Library, museum	2	0	0	86,367
OA017	Sports facility	6	0	0	817,931
OA019	Assembly, sales area - unclassified	3	0	0	36,782
	Function Area				
OA021	Sleeping: under 5 occupants	484	75	21	5,985,859
OA022	Sleeping: 5 or more occupants	8	2	0	37,150
OA023	Dining area	40	1	0	888,786
OA024	Bar, beverage area	9	0	1	469,600
OA025	Washroom, locker room	87	10	0	883,484
OA026	Office	31	4	0	1,107,389
OA027	Laboratory	11	1	0	51,421
OA028	Display windows	2	0	0	123,200
OA029	Printing and photographic reproductn	4	0	0	206,496
OA031	Kitchen, cooking area	841	81	5	9,134,875
OA032	Laundry area	119	7	0	1,047,947
OA035	Electronic equipment room	7	0	0	154,664
OA036	Performance area	2	0	0	2,250
OA037	Backstage, dressing room	1	0	0	2,000
OA038	Process, manufacturing area	36	4	0	4,722,317
OA039	Function area - unclassified	40	2	0	1,633,054
	Storage Area (Inside Building)				
OA041	Product storage area	63	7	0	2,759,552

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
OA042	Closet, lockers	45	1	0	1,268,763
OA043	Supplies, equipment area	80	0	1	1,981,548
OA044	Records storage area	3	0	0	37,000
OA045	Shipping,receiving area,mail room	8	0	0	842,450
OA046	Trash, rubbish area	18	0	4	378,638
OA047	Vehicle (in garage)	209	8	1	2,715,470
OA048	Agricultural products storage	33	0	0	586,514
OA049	Storage area - unclassified	88	6	2	1,677,968
	Service Facilities				
OA051	Dumbwaiter, conveyor shaft	1	1	0	265,800
OA052	Service shaft	3	0	0	10,430
OA053	Chute	3	0	0	400
OA054	Shipping, receiving area	4	0	0	39,000
OA055	Duct: heating, air conditioning	8	0	0	61,329
OA056	Duct: cooking, exhaust	1	0	0	898
OA057	Chimney: masonry	62	0	0	138,086
OA058	Chimney: factory built metal	107	0	0	1,293,424
OA059	Service facilities - unclassified	12	0	0	217,385
	Service and Equipment Area				
OA061	Machinery room	24	1	0	618,987
OA062	Heating equipment room	118	10	0	3,530,510
OA063	Transformer vault	11	3	0	281,012
OA064	Incinerator room	4	0	0	3,400
OA065	Maintenance shop	76	6	1	4,804,024
OA066	Paint shop	4	0	0	478,000
OA069	Service and equipment area - unclassified	23	2	0	1,527,647
	Structural Area				
OA071	Crawl space	61	2	0	1,871,248
OA072	Exterior balcony	48	3	0	551,436
OA073	Ceiling and floor assembly	34	4	0	1,249,976
OA074	Ceiling and roof/ceiling space	101	0	0	1,693,956
OA075	Assembly	41	0	0	1,756,490
OA076	Exterior wall	113	1	0	2,457,384
OA077	Exterior roof	60	0	0	884,626
OA078	Awning, canopy	4	0	0	2,900
OA079	Structural area - unclassified	29	1	0	814,571
	Vehicle Area				
OA082	Vehicle: engine area	1,296	9	3	4,778,863
OA083	Vehicle: fuel area	209	11	1	729,018
OA084	Vehicle: control area	83	0	0	495,424
OA085	Vehicle: passenger area	390	5	0	1,111,116
OA086	Vehicle: cargo area	99	1	0	499,925
OA089	Vehicle area - unclassified	135	23	0	765,863
	Miscellaneous				
OA091	Open area	101	1	0	502,254
OA092	Court, patio, terrace	26	2	0	174,116
OA093	Parking area	27	0	0	181,097
OA094	Storage area	35	0	0	4,108,167
OA095	Trash, rubbish area	214	2	1	970,040
OA099	Outside area - unclassified	159	7	1	1,314,542
	TOTALS	7,237	396	79	108,859,185
PR	PROPERTY CLASSIFICATION				
PR000	Property classification unknown	1	0	0	12,500
	Assembly				
PR111	Legitimate theatre	2	0	0	80,725
PR112	Motion picture theatre	1	0	0	1,000

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR113	Drive-in motion picture theatre	1	0	0	4,800
PR121	Bowling alley	2	0	0	74,300
PR122	Billiard centre	1	0	0	25
PR123	Ice rink	1	0	0	100
PR124	Amusement centre	4	3	0	411,849
PR126	Ballroom, gymnasium	4	0	0	6,950
PR128	Arena, stadium	2	0	0	3,018
PR129	Amusement, recreation place - unclassified	5	0	0	54,922
PR131	Nursery school, kindergarten	2	0	0	250
PR132	Elementary school	19	0	0	610,374
PR133	High school	29	0	0	56,050
PR137	Rehabilitation school	1	0	0	45,000
PR138	College, university	5	0	0	13,701
PR141	Church, chapel	6	0	0	249,170
PR143	Church hall	5	1	0	69,863
PR151	City club	4	1	0	79,981
PR152	Country club	5	0	0	485,867
PR153	Yacht club	1	0	0	20,000
PR159	Social, sport club - unclassified	5	0	0	510,750
PR162	Museum	1	0	0	4,000
PR163	Art gallery	1	0	0	10
PR164	Historic building	1	0	0	9,000
PR171	Restaurant	57	9	0	2,768,695
PR172	Night club	6	3	0	529,950
PR173	Tavern	2	0	0	412,515
PR174	Lunchroom, drive-in	7	0	0	86,628
PR179	Food or beverage establishment - unclassified	5	0	0	89,850
PR181	Airport passenger terminal	1	0	0	1,500
PR184	Railway station	1	0	0	10,000
PR187	Marine passenger terminal	3	0	0	82,900
PR189	Passenger terminal, station - unclassified	1	0	0	5,000
PR199	Miscellaneous assembly - unclassified	5	0	0	140,984
	Institutional				
PR211	Prison: penitentiary for men	1	0	0	100
PR214	Reformatory, juvenile detention home	1	0	0	500
PR217	Police station, with lock-up facilities	1	0	0	50
PR221	Home for the aged with nursing staff	10	3	1	308,300
PR222	Home for the aged without nursing staff	6	0	0	60,382
PR229	Home for the aged - unclassified	1	0	0	75
PR233	Children's day care	1	0	0	1,500
PR241	Hospital	16	0	0	21,870
PR242	Sanatorium, sanatarium, nursing or convalescent home	6	3	1	34,283
PR244	Mental hospital	2	0	0	300
PR245	Clinic	1	0	0	425
PR249	Hospital, sanatorium, clinic - unclassified	1	0	0	200
PR299	Miscellaneous institutional - unclassified	3	0	0	10,840

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	Residential				
PR311	Dwelling, year-round use (1-family)	2,210	129	37	38,215,848
PR312	Dwelling, seasonal use - in season (1-family)	33	0	0	575,116
PR313	Dwelling, seasonal use - off season (1-family)	7	0	0	288,774
PR314	Dwelling, year-round use (2-family)	110	22	3	1,476,671
PR316	Dwelling, seasonal use - off season (2-family)	1	0	0	100
PR317	Dwelling, farm (1-family)	17	0	0	824,600
PR319	Dwelling, 1 & 2 family - unclassified	17	2	0	176,794
PR321	Apartment, townhouse: 1-2 units with business	16	2	1	181,766
PR322	Apartment, townhouse: 1-2 units without business	17	2	0	150,297
PR323	Apartment, townhouse: 3-20 units with business	60	12	1	470,441
PR324	Apartment, townhouse: 3-20 units without business	163	34	5	1,881,656
PR325	Apartment, townhouse: over 20 units	248	41	14	3,321,762
PR329	Apartment, townhouse- unclassified	35	3	0	174,055
PR331	Rooming, boarding, lodging house: 4 to 8 roomers or boarders	9	3	0	67,736
PR332	Rooming, boarding, lodging house: 9 to 15 roomers or boarders	4	1	0	600
PR339	Rooming, boarding, lodging house - unclassified	13	2	1	80,199
PR341	Hotel, inn, lodge: year-round use	98	8	1	1,930,120
PR342	Hotel, inn, lodge: seasonal use - in season	1	0	0	6,000
PR344	Hotel, inn, lodge: transient dormitory type	4	0	0	105,550
PR349	Hotel, inn, lodge - unclassified	7	0	1	573,821
PR352	Motor hotel, motel: 3-20 units	17	5	1	51,064
PR353	Motor hotel, motel: over 20 units	8	0	0	96,892
PR359	Motor hotel, motel - unclassified	3	0	0	129,773
PR362	Dormitory: fraternity, sorority, social club dormitory	1	0	0	2,000
PR364	Dormitory: military barrack	1	0	0	400
PR365	Dormitory: convent, monastery or other religious dormitory	1	0	0	8,000
PR366	Dormitory: bunkhouse and workers' barrack	6	1	0	37,300
PR369	Dormitory - unclassified	2	0	0	200
PR371	Mobile home (1 or 2 family unit)	120	8	2	2,494,579
PR372	Houseboat	3	0	0	31,050
PR373	Travel trailer	31	1	0	170,030
PR374	Camping trailer	11	0	0	83,866
PR375	Motor home	31	1	0	317,467
PR376	Truck with camper	25	3	0	84,977
PR379	Mobile home, trailer - unclassified	43	4	2	591,951
PR391	Children's play house	2	0	0	400
PR399	Residential miscellaneous - unclassified	13	0	3	292,775
	Business and Personal Service				
PR411	General business office	31	2	0	293,713
PR412	Civic, federal or provincial government office	6	0	0	308,350
PR413	Bank	3	0	0	7,175
PR414	Medical, health, research or scientific office	6	1	0	167,268

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR417	Post office	4	0	0	420
PR419	Office - unclassified	6	0	0	221,429
PR421	Barber or hairdressing establishment	4	0	0	38,060
PR422	Beauty parlour	2	0	0	7,050
PR429	Personal service property - unclassified	3	0	0	1,500
PR499	Electronic equipment - unclassified	1	0	0	170,500
PR499	Miscelaneous business and personal service - unclassified	7	0	0	142,628
	Mercantile				
PR511	Supermarket	9	0	0	234,499
PR512	Market, grocery store	10	1	0	1,598,825
PR513	Specialty food store	11	0	0	241,814
PR516	Delicatessen	3	0	0	71,500
PR519	Food, beverage sale-unclassified	1	0	0	11,579
PR521	Clothing store	7	0	0	244,302
PR522	Clothing accessories, shoe store	9	0	0	354,100
PR526	Dry goods store	1	0	0	250
PR529	Textile, wearing apparel sale - unclassified	1	0	0	4,500
PR531	Furniture store	3	0	0	12,500
PR532	Appliance store	2	0	0	65,345
PR533	Hardware store	9	1	0	817,187
PR536	Rug, floor covering store	1	0	0	2,000
PR539	Furniture, appliance hardware sales - unclassified	9	0	0	95,326
PR541	Book, stationery store	1	0	0	57,584
PR542	Newsstand, tobacco shop	1	0	0	1,800
PR543	Drug store	1	0	0	1,000
PR544	Jewelry store	1	0	0	45,000
PR546	Leather goods shop	1	0	0	575,000
PR547	Florist shop, greenhouse	1	0	0	10
PR548	Optical goods sales	2	3	0	83,094
PR552	Dry goods store	2	0	0	242,500
PR553	Photographic supply sales and studios	1	0	0	63,000
PR554	Garden supply store	1	0	0	12,000
PR555	Retail lumber sales	3	0	0	5,100
PR556	Pet store, animal hospital	2	0	0	2,104
PR557	Art supply sales	1	0	0	6,279
PR559	Recreation, hobby supplies - unclassified	4	0	0	97,266
PR561	Furniture repair or upholstery without sales	2	0	0	9,216
PR562	Appliance repair shop	1	0	0	52,859
PR563	Laundry, self-service	5	0	0	13,955
PR564	Laundry, dry cleaner	4	0	0	27,250
PR567	Maintenance shop, general	7	0	0	418,371
PR569	Household repair service - unclassified	1	0	0	65,235
PR571	Service station: public	7	1	0	179,721
PR572	Service station: private	6	0	0	58,900
PR573	Motor vehicle repairs	21	0	0	1,167,642
PR574	Florist shop	4	0	0	92,377
PR575	Motor vehicle accessory sales	3	0	0	437,369
PR576	Boat sales	4	0	0	75,600
PR577	Marine service station	1	1	0	5,000
PR579	Motor vehicles, boats, sales and service - unclassified	49	3	0	1,102,741
PR581	Department store	5	2	0	21,000
PR582	Variety store - small	4	0	0	60,167
PR583	Variety store - large	4	0	0	60,080

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR584	Mail order store	1	0	0	1,500
PR585	Shopping mall - public areas	2	0	0	15,019
PR589	Department, variety store - unclassified	2	0	0	39,013
PR591	Professional supply sales	1	0	0	5,500
PR592	Trade supply sales	1	0	0	3,432
PR593	Builders supply sales	1	0	0	8,000
PR599	Miscellaneous mercantile - unclassified	7	1	0	315,442
	Industrial Manufacturing Properties				
PR611	Basic industrial chemicals manufacture	2	0	0	1,600
PR612	Hazardous chemicals manufacture	1	0	0	40,000
PR613	Plastic manufacture	1	0	0	1,165
PR614	Plastic products manufacture	1	0	0	4,000
PR615	Paints, varnishes, lacquers, inks, axes, adhesives manufacture	1	1	0	20,000
PR617	Petroleum refinery	3	0	0	46,500
PR618	Asphalt, coal products manufacture	4	0	0	89,837
PR621	Sawmill, planing mill	73	2	0	10,502,760
PR624	Furniture, bedding manufacture	7	0	0	3,453,878
PR625	Paper, pulp, paperboard manufacture	5	0	0	52,000
PR626	Paper, pulp, paperboard products manufacture	2	0	0	1,700
PR627	Nespaper, magazine, printing and publishing	1	0	0	15,000
PR628	Printing, publishing	4	0	0	609,157
PR629	Wood, furniture, paper, printing manufacturing-unclassified	2	0	0	137,751
PR631	Basic iron and steel manufacture	1	0	0	500
PR633	Basic metal products manufacturing	5	0	0	225,600
PR635	Electrical and electronic machinery manufacture	4	0	0	116,200
PR639	Metal, metal products, electrical equip. manf. - unclassified	3	0	0	517,124
PR641	Slaughtering, preparation, preserving of meat	6	1	0	731,090
PR642	Dairy product manufacturing	1	0	0	4,367
PR643	Canning, preserving	1	0	0	250
PR645	Grain mill products manufacturing	5	0	0	37,083
PR646	Bakery product manufacturing	4	0	0	43,100
PR649	Food processing - unclassified	1	0	0	138,500
PR656	Vegetable and animal oil, fat, soap making	1	0	0	8,000
PR669	Textiles - unclassified	1	0	0	250
PR681	Shipbuilding and repairing of vessels over 20m	4	0	0	16,349
PR682	Boatbuilding and repairing of vessel 20m and under	9	1	0	288,014
PR684	Motor vehicle manufacturing and assembly	3	0	0	33,213
PR689	Vehicles and related equipment - unclassified	22	0	0	325,266
PR696	Laundry and dry cleaning plant	4	0	0	255,986
PR697	Photographic film processing	2	3	0	180,000
PR699	Miscellaneous manufacturing - unclassified	12	0	0	453,240
	Industrial Storage Properties				
PR711	Seeds, beans, nuts, grain storage in bulk	6	0	0	113,695

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR713	Loose or bagged agricultural products storage	1	0	0	10,323
PR715	Livestock storage	3	0	0	25,830
PR716	Agricultural supply storage	10	0	0	151,364
PR719	Agricultural products storage - unclassified	2	0	0	10,467
PR722	Baled wool storage	1	0	0	25,905
PR725	Cloth and yarns storage	1	0	0	100
PR739	Processed food, beverage storage - unclassified	1	0	0	18,363
PR749	Flammable liquids, gases, petroleum prod storage - unclassified	1	0	0	150
PR751	Lumberyards, building materials storage	10	0	0	531,467
PR752	Wood products storage	5	0	0	160,400
PR753	Furniture storage	1	0	0	16,270
PR754	Fibre products storage	2	0	0	104,000
PR755	Rolled paper, newsprint storage	2	0	0	6,000
PR756	Paper and paper products storage	4	0	0	160,560
PR757	Felled timber, log storage	1	0	0	4,000
PR759	Wood, furniture, paper and products storage - unclassified	2	0	0	5,050
PR767	Rubber, rubber products storage	1	0	0	2,000
PR775	Electrical appliances and supplies storage	1	0	0	1,050,000
PR776	Finished metal products storage	1	0	0	6,200
PR781	Garage: individual resident! parking	127	1	0	894,783
PR782	Garage: general auto parking	20	4	0	175,822
PR783	Bus, truck and auto fleets storage	1	0	0	50
PR784	Heavy machine and equipment storage	4	0	0	206,108
PR785	Marinas, boat and ship storage	6	0	0	141,468
PR789	Vehicle storage - unclassified	3	0	0	70,644
PR791	General warehouse	19	3	0	869,121
PR795	Glass and glass products storage	1	0	0	500
PR798	Pier, wharf, storage in open area	2	0	0	450,100
PR799	Miscellaneous storage properties - unclassified	28	0	0	243,004
	Outdoor Property, Vehicles				
PR811	Brush, grass and light ground cover	6	1	0	54,579
PR812	Dumps	1	0	0	137,173
PR813	Trees	35	0	0	26,510
PR814	Fences, poles, railroad ties	24	0	0	11,385
PR815	Trash and rubbish	185	1	0	29,820
PR816	Mailboxes	5	0	0	910
PR818	Forest, standing timber	1	0	0	15,000
PR819	Outdoor property - unclassified	46	4	1	53,723
PR821	Bridge, trestle, overpass, elevated road and railway	3	0	0	2,200
PR829	Special connecting thoroughfares - unclassified	2	0	0	3,000
PR831	Buildings under construction	4	0	0	49,100
PR832	Buildings under demolition	1	0	0	100,000
PR835	Vacant property	16	1	0	125,150
PR836	Unoccupied property	4	0	0	22,002
PR837	Contractors' sheds	13	0	0	181,680
PR838	Building under major renovation	1	0	0	2,500
PR839	Under construction or demolition - unclassified	4	1	0	9,011
PR841	Motor craft :20m and under LOA	23	6	0	449,350
PR842	Vessel :under 1,000 GT	5	0	0	130,000
PR843	Ship, passenger	1	0	0	7,000

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR846	Ship, cargo	2	0	0	380,000
PR848	Commercial fishing vessel	10	0	0	747,500
PR849	Watercraft - unclassified	20	1	0	371,522
PR851	Railway car: passenger, diner	1	0	0	500
PR853	Railway car: freight	4	0	0	97,050
PR856	Roadbed maintenance equipment/car	1	0	0	200
PR858	Railway yard	3	0	0	38,500
PR859	Rail transport vehicle and equipment - unclassified	1	0	0	15,000
PR861	Automobile	1,658	11	3	2,695,756
PR862	Bus, trackless trolley	5	0	0	11,050
PR863	Truck, compressed or LP gas tank	8	22	0	137,250
PR864	Truck, flammable liquid,chemical tank	2	0	0	700
PR865	Truck, general	362	2	0	1,459,096
PR866	Motorcycle	23	1	0	39,800
PR867	Wagon, non-motorized hauling vehicle	7	1	0	40,246
PR868	Industrial or commercial trailer	19	0	0	533,674
PR869	Ground transport vehicle - unclassified	39	0	1	157,864
PR871	Aircraft, private	1	1	0	60,000
PR872	Aircraft, commercial - non scheduled airlines	1	0	0	100
PR877	Military aircraft, non combat type	1	0	0	3,000
PR881	Construction equipment	23	0	0	629,736
PR882	Farm tractor and equipment	28	0	0	73,108
PR883	Crane, mobile and fixed	1	0	0	10,000
PR884	Industrial truck: fork lift and material handling	12	0	0	310,392
PR889	Special vehicle - unclassified or unknown	34	1	0	719,136
PR891	Pier, wharf	2	0	0	11,200
	Miscellaneous				
PR911	Laboratory: chemical, biological and medical	1	0	0	7,000
PR912	Laboratory: physical, material testing hydraulics	1	0	0	600
PR915	Laboratory: electrical, electronic	1	0	0	12,000
PR917	Laboratory: general research	1	0	0	2,500
PR919	Laboratories - unclassified or unknown	2	0	0	15,800
PR921	Poultry, egg production	3	0	0	2,262
PR922	Cow and cattle production	1	0	0	30,000
PR923	Storage barn	30	0	0	75[illegible]
PR924	Animal barn, cattle, pigs, horses	12	0	0	376,818
PR925	Crops, orchards, straw stacks	1	0	0	50,828
PR929	Farm facility - unclassified	10	0	0	214,493
PR931	Shed	67	0	0	312,255
PR932	Privy	2	0	0	5,900
PR935	Non-metallic mineral product manufacturing	4	0	0	3,330
PR938	Telephone booth	2	0	0	700
PR939	Miscellaneous outbuildings - unclassified	32	1	0	116,288
PR942	Electric light & power distribution system	5	1	0	47,095
PR945	Heating plant	1	0	0	1,150
PR946	Water supply system	1	0	0	1,500
PR947	Sanitary service	2	0	0	6,300
PR949	Utility - unclassified	5	0	0	9,099
PR952	Glass manufacturing	1	1	0	100
PR954	Pottery, china, earthenware manufacturing	1	0	0	4,000

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
PR955	Cement manufacturing	1	0	0	13,051
PR956	Cement batch mixing plant	1	0	0	203,000
PR961	Coal mine	1	0	0	35,000
PR969	Mining, quarrying - unclassified	2	0	0	60,000
PR973	Fire, police, emergency communication centre	1	0	0	500
PR974	Telephone exchange	2	0	0	1,500
PR979	Communications - unclassified	2	0	0	3,200
PR982	Property in which radioactive matl is handled in small quantities	1	0	0	5,000
PR996	Groundskeeping equipment	2	0	0	1,200
	TOTALS	7,237	396	79	108,859,185
SD	SMOKE DETECTOR ALARM OPERATION				
SD000	No smoke detector installed	2,594	229	54	70,944,958
SD001	Alarm activated - assisted occupants in evacuating	278	34	2	6,878,886
SD002	Alarm activated - inaudible	14	1	1	674,185
SD003	Alarm activated - occupants unable to respond	11	2	0	373,784
SD004	Alarm activated - unnecessary to evacuate	177	8	0	1,690,301
SD005	Alarm activated - occupant action unknown	57	8	3	1,135,027
SD006	Alarm not activated - unsuitable location	63	5	0	526,760
SD007	Alarm not activated - no or dead battery	62	8	5	1,001,156
SD008	Alarm not activated - ac power not connected or off	19	0	1	222,014
SD009	Alarm not activated - mechanical failure	16	1	0	243,879
SD010	Alarm not activated - unknown	356	28	7	6,264,126
SD011	Not applicable eg outside area	2,965	71	6	14,700,948
SD099	Smoke detector alarm operation unknown	625	1	0	4,203,161
	TOTALS	7,237	396	79	108,859,185
SP	SPRINKLER PROTECTION				
SP000	Sprinkler protection unknown	611	4	0	4,405,539
SP001	Complete sprinkelr protection - supervised or standard watchman	49	2	0	1,769,245
SP002	Complete sprinkler protection - alarm to fire department	34	2	0	154,668
SP003	Complete sprinkler protection - unsupervised, local alarms only	139	21	1	1,847,660
SP004	Partial sprinkler protection - supervised or standard watchman	26	1	0	614,755
SP005	Partial sprinkler protection - alarm to fire department	28	2	0	122,769
SP006	Partial sprinkler protection - unsupervised, local alarms only	132	18	2	2,008,602
SP007	No sprinkelr protection	3,315	272	66	85,584,457
SP008	Not applicable eg vehicle outside area, etc.	2,884	73	10	12,299,277
SP009	Sprinkler protection - unclassified	19	1	0	52,213
	TOTALS	7,237	396	79	108,859,185
TI	TIME OF DAY				
TI000	Time 0000-0059 hrs	208	9	4	3,322,164
TI001	Time 0100-0159 hrs	311	24	4	5,595,234

FIRE LOSSES IN BRITISH COLUMBIA, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
TI002	Time 0200-0259 hrs	308	21	10	9,496,148
TI003	Time 0300-0359 hrs	245	24	9	6,138,723
TI004	Time 0400-0459 hrs	219	6	8	4,462,804
TI005	Time 0500-0559 hrs	162	16	6	2,963,741
TI006	Time 0600-0659 hrs	150	25	7	3,543,800
TI007	Time 0700-0759 hrs	163	12	2	2,110,999
TI008	Time 0800-0859 hrs	206	8	8	1,924,873
TI009	Time 0900-0959 hrs	220	15	4	3,577,365
TI010	Time 1000-1059 hrs	250	10	1	3,141,216
TI011	Time 1100-1159 hrs	272	14	1	4,761,447
TI012	Time 1200-1259 hrs	309	19	2	3,312,061
TI013	Time 1300-1359 hrs	337	7	0	3,677,973
TI014	Time 1400-1459 hrs	367	9	0	4,568,598
TI015	Time 1500-1559 hrs	371	32	0	2,970,678
TI016	Time 1600-1659 hrs	372	20	3	4,600,391
TI017	Time 1700-1759 hrs	359	20	3	3,470,384
TI018	Time 1800-1859 hrs	397	22	1	5,190,137
TI019	Time 1900-1959 hrs	381	20	0	4,343,577
TI020	Time 2000-2059 hrs	302	13	1	4,207,158
TI021	Time 2100-2159 hrs	335	13	2	5,940,402
TI022	Time 2200-2259 hrs	300	17	2	8,268,382
TI023	Time 2300-2359 hrs	300	15	1	4,684,065
TI099	Time unknown	393	5	0	2,586,865
	TOTALS	7,237	396	79	108,859,185
WD	DAY OF WEEK				
WD001	Sunday	1,062	40	7	15,408,982
WD002	Monday	965	45	7	14,251,206
WD003	Tuesday	976	45	17	15,603,734
WD004	Wednesday	1,032	85	9	13,041,938
WD005	Thursday	1,008	43	12	14,803,513
WD006	Friday	1,079	65	12	14,871,321
WD007	Saturday	1,115	73	15	20,878,491
	TOTALS	7,237	396	79	108,859,185

CIRCUMSTANCES CONTRIBUTING TO FIRE CASUALTIES, 1984

CODE	DESCRIPTION	FIRES	INJ	DEAD	LOSS
	CONDITION OF CASUALTY				
FC010	Condition of casualty unknown	109	110	25	3,283,455
FC011	Asleep at time of fire	57	58	20	2,107,536
FC012	Bedridden or other physical handicap	6	4	2	299,774
FC013	Impairment by alcohol, drugs or medication	32	21	14	820,246
FC014	Awake or no physical or mental impairment at time of fire	112	158	6	5,500,070
FC016	Too young to react to fire	5	1	5	284,809
FC017	Mental handicap (senile)	3	1	2	371,790
FC019	Condition of casualty - unclassified	41	43	5	2,862,801
	ACTION OF CASUALTY				
FC020	Action of casualty unknown	121	115	39	4,369,516
FC021	Injured while attempting to escape	44	50	8	2,034,072
FC022	Over exertion or heart attack	2	2	0	69,942
FC023	Voluntarily entered or remained for rescue purpose	13	33	2	703,624
FC024	Voluntarily entered or remained for fire fighting	91	104	1	4,621,203
FC025	Voluntarily entered or remained to save personal property	10	10	0	39,607
FC026	Loss of judgement or panic	19	14	5	760,019
FC027	Received delayed warning	12	11	4	465,376
FC028	Did not act	27	14	16	700,002
FC029	Action of casualty - unclassified	38	43	4	2,294,494
	IGNITION OF FABRIC				
FC030	Ignition of clothing or fabric not applicable	269	340	49	11,194,724
FC031	Outer clothing	35	29	9	955,876
FC032	Sleepwear	8	1	7	562,973
FC033	Underclothing	3	3	0	13,040
FC034	Costume	1	1	0	500
FC035	Bedding and bed linen	17	11	7	381,013
FC036	Mattress or pillow	4	2	2	20,407
FC037	Upholstered furniture	3	1	2	82,354
FC038	Rugs	1	1	0	300
FC039	Ignition of clothing or fabrics - unclassified	9	7	3	1,003,041
	TYPE OF FABRIC				
FC040	Type of fabric or material not applicable	268	338	52	11,134,841
FC041	Cotton	13	12	1	98,476
FC042	Wool	4	2	2	25,115
FC045	Synthetic fibre	18	12	7	409,918
FC046	Mixture fibres	19	14	8	466,058
FC048	Plastic or plastic foam	1	1	0	10,000
FC049	Type of fabric or material ignited - unclassified	25	17	9	2,097,431
	CAUSE OF FAILURE TO ESCAPE				
FC050	Cause of failure to escape unknown	143	150	33	4,101,885
FC051	Trapped by rapid spread of fire/ smoke through vertical openings	12	11	9	1,381,200
FC052	Trapped by rapid spread of fire/ smoke through horizontal openings	21	10	14	793,076
FC053	High flame spread of combustible finish of walls, ceilings or floors	13	10	8	549,899
FC054	Building collapse	1	1	0	166,945
FC055	Falling debris	3	3	0	125,800
FC056	Explosion	20	45	1	310,148
FC057	Exit locked, blocked or obstructed	1	1	0	6,440
FC058	Outdoor fire includes forest, brush	3	3	0	5,250
FC059	Cause of failure to escape -	141	162	14	6,849,064

SUMMARY OF FIRE LOSSES BY PROPERTY GROUPS, 1984

PROPERTY GROUP	NO. OF FIRES	PERCENT OF TOTAL FIRES	$ LOSS	PERCENT OF TOTAL $ LOSS	INJURED	PERCENT OF TOTAL INJURED	DEAD	PERCENT OF TOTAL DEAD
Assembly								
Educational	56	0.8	725,375	0.7	0	0.0	0	0.0
Nightclub, tavern	8	0.1	942,465	0.9	3	0.8	0	0.0
Restaurant, eating establishment	69	1.0	2,945,173	2.7	9	2.3	0	0.0
Others	63	0.9	2,306,714	2.1	5	1.3	0	0.0
Institutional								
Home for aged	17	0.2	368,757	0.3	3	0.8	1	1.3
Hospital, day-centre, home	27	0.4	58,578	0.1	3	0.8	1	1.3
Others	6	0.1	11,490	.0	0	0.0	0	0.0
Residential								
One- & two-family dwelling	2395	33.1	41,557,903	38.2	153	38.6	40	50.6
Apartment	539	7.4	6,179,977	5.7	94	23.7	21	26.6
Hotel, motel, rooming house	164	2.3	3,041,755	2.8	19	4.8	4	5.1
Dormitory, bunkhouse	11	0.2	47,900	.0	1	0.3	0	0.0
Mobile home,mobile camp	151	2.1	2,812,046	2.6	8	2.0	2	2.5
Recreational vehicle	45	0.6	284,946	0.3	2	0.5	0	0.0
Others	81	1.1	969,703	0.9	7	1.8	5	6.3
Business and personal service	73	1.0	1,358,093	1.2	3	0.8	0	0.0
Mercantile	219	3.0	9,180,851	8.4	13	3.3	0	0.0
Industrial manufacturing	196	2.7	18,349,480	16.9	8	2.0	0	0.0
Industrial storage	267	3.7	5,453,744	5.0	8	2.0	0	0.0
Outdoor property, pier, wharf	308	4.3	334,300	0.3	6	1.5	1	1.3
Watercraft	61	0.8	2,085,372	1.9	7	1.8	0	0.0
Rail transport and equipment	10	0.1	151,250	0.1	0	0.0	0	0.0
Automobile	1658	22.9	2,695,756	2.5	11	2.8	3	3.8
Other grd tranport & special vehicle	563	7.8	4,122,052	3.8	27	6.8	1	1.3
Aircraft	3	.0	63,100	0.1	1	0.3	0	0.0
Remainder	247	3.4	2,812,405	2.6	5	1.3	0	0.0
TOTALS	7237	100.0	108,859,185	100	396	100.0	79	100.0

ARSON LOSSES BY PROPERTY GROUP

Property Group	No. of Arson Fires 1983	No. of Arson Fires 1984	% of arson fires in Prop Group 1984	% of all arson fires in 1984	Dollar Loss 1983	Dollar Loss 1984	% of all arson $ loss 1984
Assembly							
Educational	42	42	75.0	3.3	3,769,171	126,607	0.6
Nightclub, tavern	4	3	37.5	0.2	350,160	138,950	0.6
Restaurant, eating establishment	11	19	27.5	1.5	365,967	1,615,584	7.3
Others	40	24	38.0	1.9	3,004,649	809,248	3.7
Institutional							
Home for aged	1	3	17.6	0.2	400	305,100	1.4
Hospital, day-centre, home	2	6	22.2	0.5	4,308	10,400	.0
Others	9	3	50.0	0.2	770,622	625	.0
Residential							
One- & two-family dwelling	297	233	9.7	18.3	6,312,136	6,211,345	28.2
Apartment	138	104	19.2	8.2	4,006,802	1,681,925	7.6
Hotel, motel, rooming house	35	36	21.9	2.8	507,057	267,200	1.2
Dormitory, bunkhouse	0	5	45.4	0.4	0	8,250	.0
Mobile home,mobile camp	14	17	11.2	1.3	224,082	277,601	1.3
Recreational vehicle	10	9	20.0	0.7	188,121	63,811	0.3
Others	3	9	11.1	0.7	17,400	58,480	0.3
Business and personal service	34	36	49.3	2.8	3,134,815	496,356	2.3
Mercantile	73	58	26.4	4.6	3,517,518	2,005,855	9.1
Industrial manufacturing	36	17	8.6	1.3	5,779,741	4,716,023	21.4
Industrial storage	118	98	36.7	7.7	3,932,187	1,115,664	5.1
Outdoor property, pier, wharf	253	160	51.9	12.6	114,161	56,551	0.3
Watercraft	9	6	9.8	0.5	220,800	31,300	0.1
Rail transport and equipment	0	2	20.0	0.2	0	33,500	0.2
Automobile	267	232	13.9	18.2	710,529	532,462	2.4
Other grd tranport & special vehicle	97	81	14.3	6.4	607,233	583,061	2.6
Aircraft	0	0	0.0	0.0	0	0	0.0
Remainder	69	71	28.7	5.6	514,262	869,248	3.9
TOTALS	1562	1274		100	38,052,121	22,015,146	100

LOSSES OF $500,000 AND OVER, 1984

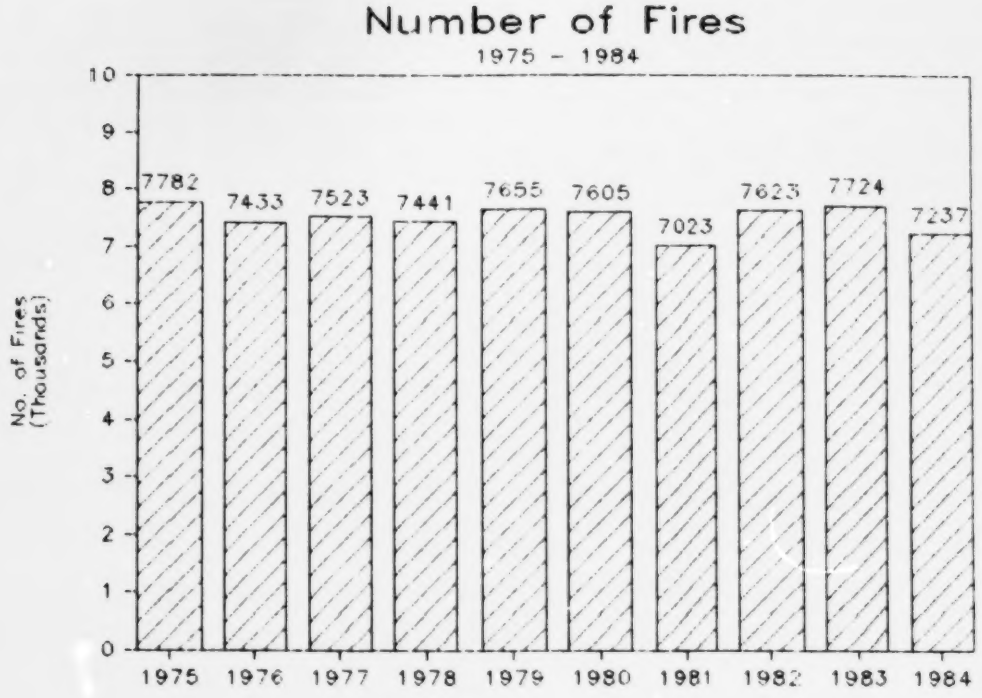
INC. NO.	LOCATION	PROPERTY CLASSIFICATION	ACT OR OMISSION	$ LOSS	INJ	DEAD
CKA84080306	Kamloops	Apartment bldg.	Smokers' material	509,091	5	0
CQU84110209	Quesnel	Sawmill, planing mill	Torch too close	900,000	0	0
CVA840924001	Vancouver	Restaurant	Suspected set fire	1,270,500	1	0
CVA841117181	Vancouver	Elect. appliances and supplies storage	Electrical short circuit	1,050,000	0	0
CVA841123061	Vancouver	Market, grocery store	Act or omission unknown	600,000	1	0
CWI840414221	Williams Lake	Leather goods shop	Suspected set fire	575,000	0	0
DCA840722231	Campbell River	Metal, metal prod, elect equip. mfg.-unclassified	Electrical short circuit	500,000	0	0
DCQ84030723	Coquitlam	Elementary school	Electrical short circuit	500,000	0	0
DCQ84042522	Coquitlam	Sawmill, planing mill	Welding, cutting too close	884,650	0	0
DCQ84101403	Coquitlam	Apartment bldg.	Arson - intimidation	855,316	1	0
DMR84070620	Maple Ridge	Sawmill, planing mill	Welding, cutting too close	750,000	0	0
DR184031721	Richmond	Printing, publishing	Arson - cover-up crime	529,657	0	0
DR184100202	Richmond	Furniture, bedding mfg.	Arson - vandalism	2,905,962	0	0
DSY840704091	Surrey	Sawmill, planing mill	Act or omission unknown	530,000	0	0
DWV84102314	West Vancouver	Dwelling	Improper storage	600,000	0	0
REK840318111	East Kootenay R.D. non-municipal area	Hotel, inn, lodge:	Electrical short circuit	1,230,700	0	0
REK84072401	East Kootenay R.D. non-municipal area	Hardware store	Act or omission unknown	800,000	0	0
RKO84111722	Kootenay Boundary R.D. non-mun. area	Sawmill, planing mill	Welding, cutting too close	2,194,049	0	0
VLU840628161	Lumby	Sawmill, planing mill	Act or omission unknown	1,300,000	0	0
	19 Incidents			18,484,925	8	0

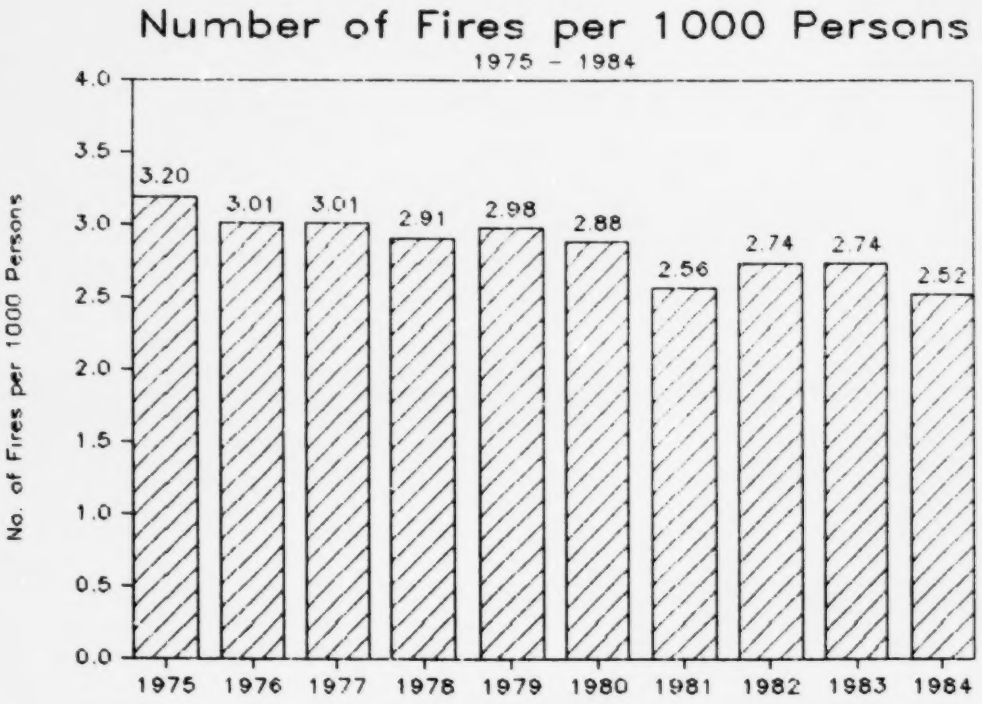
10-YEAR PROPERTY FIRE LOSS COMPARISON, 1974 - 1984

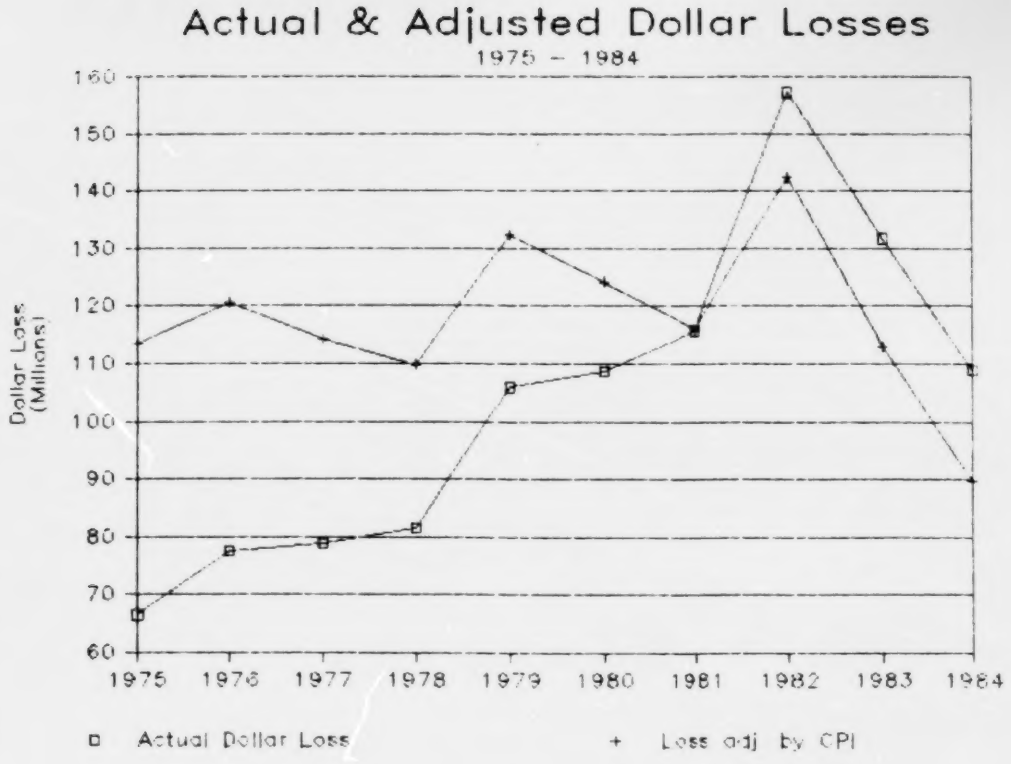
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
No. of Fires	7,782	7,433	7,523	7,441	7,655	7,605	7,023	7,623	7,724	7,237
Dollar Loss	$66,461,246	$77,566,724	$78,746,492	$81,596,417	$105,900,046	$108,664,176	$115,709,786	$157,296,688	$131,659,496	$108,859,185
Loss per Fire	$8,540	$10,435	$10,467	$10,966	$13,834	$14,289	$16,476	$20,634	$17,046	$15,042
Population (thousands)*	2433.2	2466.6	2497.6	2555.8	2566.9	2636.0	2744.0	2783.0	2823.9	2870.7
No. of fires/1000 persons	3.20	3.01	3.01	2.91	2.98	2.88	2.56	2.74	2.74	2.52
Per capita loss	$27.31	$31.45	$31.53	$31.93	$41.26	$41.22	$42.17	$56.52	$46.62	$37.92
CPI adjustment factor	0.586	0.643	0.689	0.743	0.800	0.875	1.000	1.105	1.166	1.213
Loss adjusted by CPI#	$113,415,096	$120,632,541	$114,290,990	$109,820,211	$132,375,058	$124,187,630	$115,709,786	$142,349,944	$112,915,520	$89,743,763
Loss/fire adj. by CPI	$14,574	$16,229	$15,192	$14,759	$17,293	$16,330	$16,476	$18,674	$14,619	$12,401
Per capita loss adjusted by CPI	$46.61	$48.91	$45.76	$42.97	$51.57	$47.11	$42.17	$51.15	$39.99	$31.26
Fire Fatalities	129	110	94	98	125	77	76	73	83	79

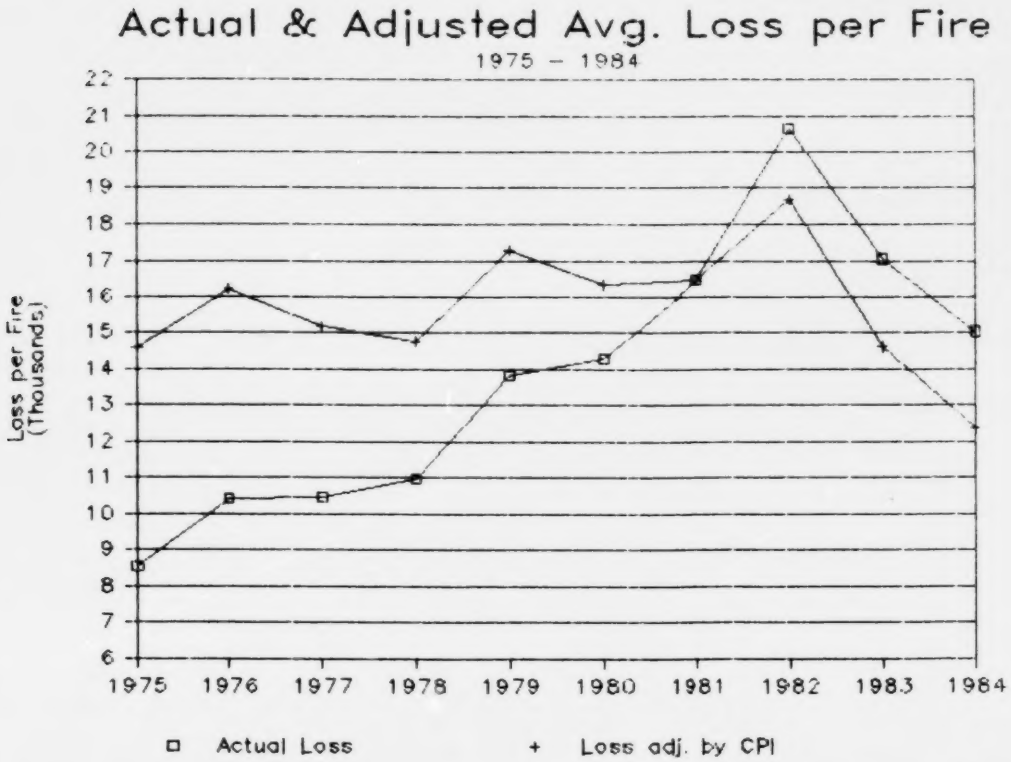
* Population statistics were provided by Statistics Canada. The figures for 1976 and 1981 are actual census figures. The others are estimates by Statistics Canada.

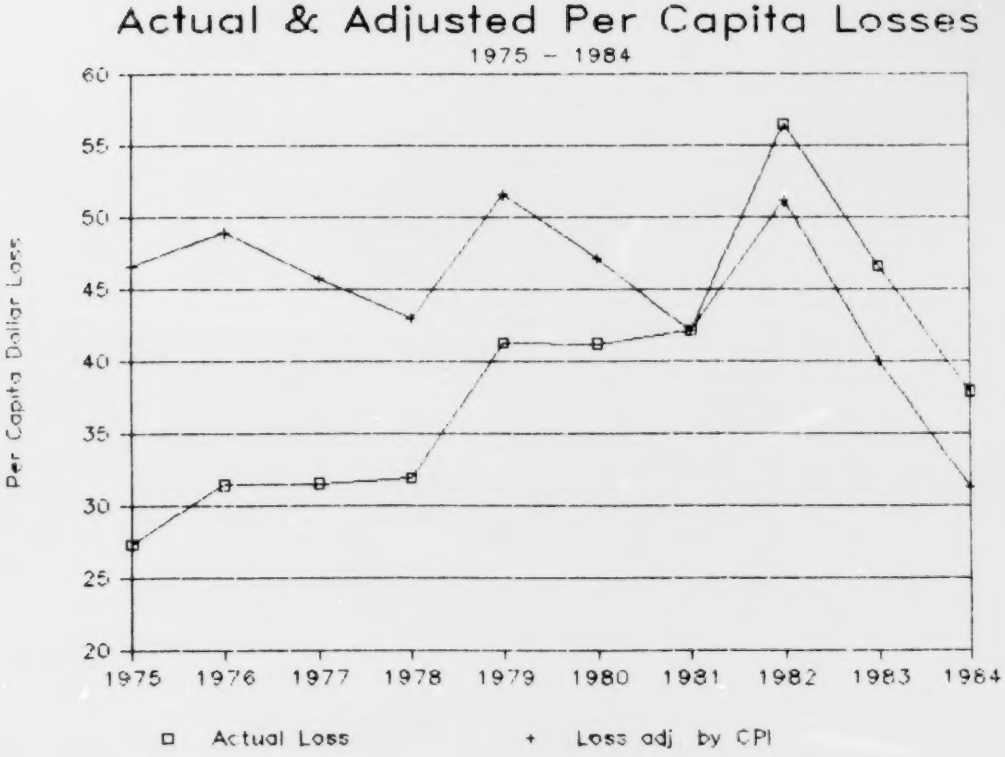
Adjustment Factor. In an effort to get a more realistic picture of losses over the years, some form of adjustment factor is necessary to take inflation into consideration. We chose the Consumer Price Index for Vancouver with 1981 = 1.000

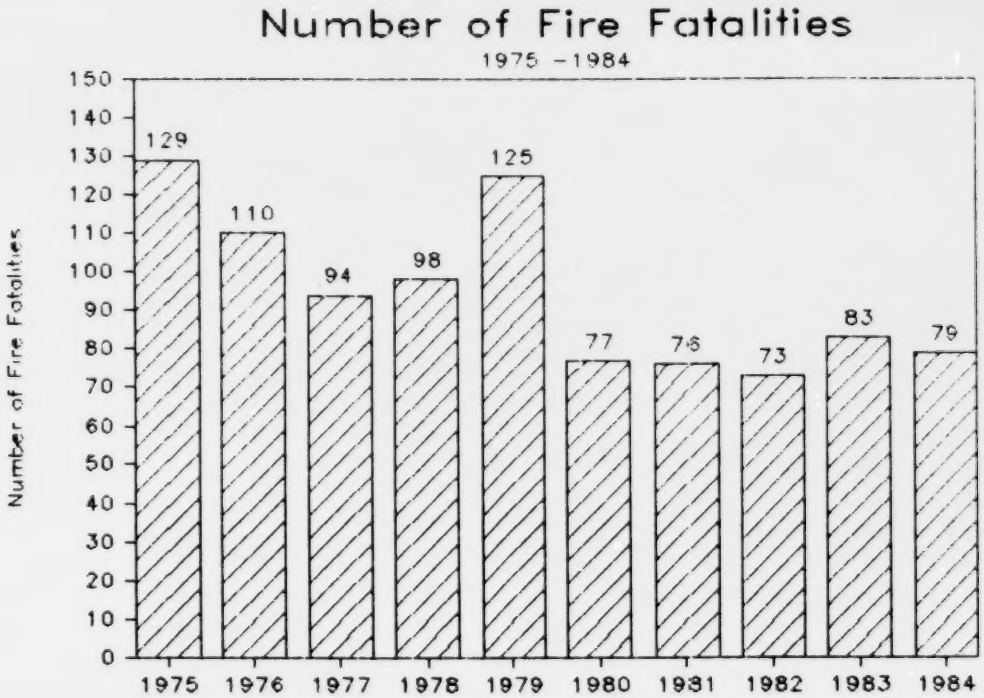

Number of Fires
1975 - 1984
No. of Fires (Thousands)
10
9
8
7
6
5
4
3
2
1
0
7782
7433
7523
7441
7655
7605
7023
7623
7724
7237
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984


Number of Fires per 1000 Persons
1975 - 1984
No. of Fires per 1000 Persons
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
3.20
3.01
3.01
2.91
2.98
2.88
2.56
2.74
2.74
2.52
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984


Actual & Adjusted Dollar Losses
1975 – 1984
Dollar Loss (Millions)
160
150
140
130
120
110
100
90
80
70
60
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
Actual Dollar Loss
Loss adj by CPI


Actual & Adjusted Avg. Loss per Fire
1975 – 1984
Loss per Fire (Thousands)
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
Actual Loss
Loss adj. by CPI


Actual & Adjusted Per Capita Losses
1975 - 1984
Per Capita Dollar Loss
60
55
50
45
40
35
30
25
20
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
Actual Loss
Loss adj by CPI


Number of Fire Fatalities
1975 -1984
Number of Fire Fatalities
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
129
110
94
98
125
77
76
73
83
79
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984

POOR
QUALITY
ORIGINAL